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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Applicant:

Daniel Xu et al.

Serial No.: 09/976,641

Filed: October 12, 2001

For: Reducing Leakage Currents in
Memories With Phase-Change
Material

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Art Unit: 2815

Examiner: B. Baumeister

Atty Docket: ITO.0004US
P12497

#10/Amend A
Amended
9/8/02

Box RCE
Commissioner for Patents
Washington, DC 20231

SUPPLEMENTAL REPLY TO FINAL REJECTION

Sir:

In response to the final rejection, please amend the above-referenced patent application as follows:

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IN THE CLAIMS

Please amend claim 1 as follows:

1 (Amended). A method comprising:

forming a buried line of a first conductivity type in a bulk substrate, said buried line including a pair of more lightly doped regions above and below a more heavily doped region;

creating a region of a second conductivity type opposite said first conductivity type in said bulk substrate; and

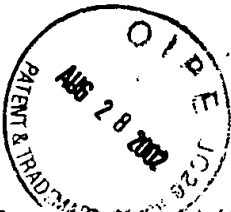
forming a phase-change material over said region.

Please amend claim 11 as follows:

11 (Amended). A memory cell comprising:

Date of Deposit: August 21, 2002
I hereby certify under 37 CFR 1.8(a) that this correspondence is being deposited with the United States Postal Service as first class mail with sufficient postage on the date indicated above and is addressed to the Commissioner for Patents, Washington, DC 20231.
Cynthia L. Hayden
Cynthia L. Hayden

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As of 9/8/02

PTO/SB/30 (10/2001)

Approved for use through 10/31/2002 OMB 0651-0031

U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

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**REQUEST
FOR
CONTINUED EXAMINATION (RCE)
TRANSMITTAL**

Address to:
Commissioner for Patents
Box RCE
Washington, DC 20231

Application Number	09/976,641
Filing Date	October 12, 2001
First Named Inventor	Daniel Xu
Art Unit	2815
Examiner Name	B. Baumeister
Attorney Docket Number	ITO. 0004US

This is a Request for Continued Examination (RCE) under 37 CFR 1.114 of the above-identified application

Request for Continued Examination (RCE) practice under 37 CFR 1.114 does not apply to any utility or plant application filed prior to June 8, 1995, or to any design application. See Instruction Sheet for RCEs (not to be submitted to the USPTO) on page 2.

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1. **Submission required under 37 CFR §1.114**

- a. ☐ Previously submitted
- i. ☐ Consider the amendment(s)/reply under 37 CFR §1.116 previously filed on _____
(Any unentered amendment(s) referred to above will be entered).
- ii. ☐ Consider the arguments in the Appeal Brief or Reply Brief previously filed on _____
- iii. ☐ Other _____
- b. ☒ Enclosed
- i. ☒ Amendment/Reply
- ii. ☐ Affidavit(s)/Declaration(s)
- iii. ☐ Information Disclosure Statement (IDS)
- iv. ☐ Other _____

2. **Miscellaneous**

- a. ☐ Suspension of action on the above-identified application is requested under 37 CFR §1.103(c) for a period of _____ months (Period of suspension shall not exceed 3 months; Fee under 37 CFR §1.17(i) required)
- b. ☐ Other _____

3. **Fees** The RCE fee under 37 CFR §1.17(e) is required by 37 CFR §1.114 when the RCE is filed.

- a. ☒ The Director is hereby authorized to charge the following fees, or credit any overpayments, to Deposit Account No. 20-1504
- i. ☐ RCE fee required under 37 CFR §1.17(e) 08/29/2002 AWONDAF1 00000033 09976641
- ii. ☐ Extension of time fee (37 CFR §§1.136 and 1.17) 01 FC:179 740.00 OP
- iii. ☒ Other and additional fees _____
- b. ☒ Check in the amount of \$ 740.00 enclosed
- c. ☐ Payment by credit card (Form PTO-2038 enclosed)

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT REQUIRED

Name (Print / Type)	Timothy N. Trop	Registration No. (Attorney / Agent)	28,994
Signature		Date	8/2/02

CERTIFICATE OF MAILING OR TRANSMISSION

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Name (Print / Type)	Cynthia L. Hayden	Date	08/21/02
Signature			

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